LIST OF CURRENT CLAIMS

Claims 1-28 (Canceled)

29. (Currently Amended) A method for displaying images on a display device, the display device including at least one general processing unit and a display comprising a plurality of display units with corresponding processing units, the method comprising the steps of:

transmitting a data stream comprising data concerning the image to be displayed from the general processing unit to the individual processing units;

providing a control communication comprising a plurality of control signals between the general processing unit and each of the individual processing units, the control communication sent from the general processing unit to each of the individual processing units being ~~independent~~ individually distinct from the data stream sent to each processing unit; and

collecting data from the data stream at each of the individual processing units as a function of control signals transmitted to the individual processing units.

30. (Previously Presented) The method according to claim 29, wherein the display units are serially coupled.

31. (Previously Presented) The method according to claim 29, wherein the display units consist of LED panels.

32. (Previously Presented) The method according to claim 29, wherein distributed signal processing is provided between the general processing unit and the individual processing units.

33. (Previously Presented) The method according to claim 32, wherein the distributed signal processing is at least provided for signals related to color rendering, and/or brightness, and/or contrast.

34. (Previously Presented) The method according to claim 33, further comprising the step of making at least one individual adjustment at the individual processing units, said at least one individual adjustment being selected from the group consisting of: adjustment of the color coordinates, adjustment of brightness, adjustment of contrast by dynamic sample weight distribution, corrective adjustment as a function of the temperature and/or age of the display unit, adjustment of the transfer functions, and enlargement of the incoming video signal in the horizontal direction and/or vertical direction.

35. (Previously Presented) The method according to claim 34, wherein contrast adjustment comprises adjusting the linear connection between the input signal and the output signal towards a non-linear connection in each individual processing unit as a function of the command provided by the control signals.

36. (Previously Presented) The method according to claim 34, wherein at least one individual adjustment is made at the general processing unit, said adjustment being selected from the group consisting of: image stabilization and/or noise suppression, tracking of the illumination of the image, histogram equalization as a function of the entire image to be displayed, observing a cue flash and making a correction, and reduction of the image in relation to the original input image in the horizontal direction and/or vertical direction.

37. (Previously Presented) The method according to claim 32, further comprising the step of providing a distributed signal processing for the signals related to the image display.

38. (Previously Presented) The method according to claim 37, further comprising the step of providing distributed signal processing to minimize image flickering of the general processing unit and the individual processing units.

39. (Previously Presented) The method according to claim 37, further comprising the step of making individual adjustments to maintain the display unit in operating frequency-independent both vertically and horizontally.

40. (Previously Presented) The method according to claim 37, wherein an automatic pulse width adjustment is realized in the individual processing units.

41. (Previously Presented) The method according to claim 37, further comprising the step of raising a frequency in the individual processing units to eliminate surface flicker.

42. (Previously Presented) The method according to claim 37, further comprising the step of raising the line frequency in the general processing unit in order to eliminate interline flicker and to obtain higher image resolution.

43. (Previously Presented) The method according to claim 37, further comprising the step of providing distributed signal processing at least for signals which determine image geometry.

44. (Previously Presented) The method according to claim 43, further comprising the step of transmitting control signals to the individual processing units to indicate which part of the image should be displayed at the display unit, the individual processing units collecting data from the data stream, processing the data and displaying the data as a function of the control signals.

45. (Previously Presented) The method according to claim 29, comprising the step of providing for dynamic image stabilization.

46. (Previously Presented) The method according to claim 45, wherein at least one technique is applied for the dynamic image stabilization, said at least one technique being selected from the group consisting of:

a time-dependent image stabilization arranged for verifying pixels of an image and including determining alterations occurring between successive images and providing an image stabilization effect before the images are displayed;

a frequency dependent image stabilization arranged for verifying how alterations occur in pixels of an image positioned next to one another and providing an image stabilization effect before the images are displayed;

an amplitude-dependent image stabilization; and

an image stabilization as a function of an entire image content.

47. (Previously Presented) The method according to claim 29, wherein the individual processing units are provided with master clock correction.

48. (Previously Presented) The method according to claim 47, wherein different signals are used for red, green and blue signals, and transmission errors in the red, green and blue signals are minimized due to the master clock correction.

49. (Previously Presented) The method according to claim 29, wherein the display includes a plurality of LEDs driven by an uninterrupted current during operation such that the length of time for which the current is switched on is used as a control parameter.

50. (Previously Presented) The method according to claim 49, wherein the current is altered to adjust the brightness and the contrast.

51. (Previously Presented) A method for displaying images on a display device wherein data for forming successive images are transformed in signals for a display, the method comprising the steps of:

evaluating the data; and

applying a dynamic image stabilization on the basis of the evaluation.

52. (Previously Presented) The method according to claim 51, wherein at least one technique is used for the dynamic image stabilization, the at least one technique selected from the group consisting of:

a time-dependent image stabilization arranged for verifying pixels of an image and including determining alterations occurring between successive images and providing an image stabilization effect before the images are displayed;

a frequency dependent image stabilization arranged for verifying how alterations occur in pixels of an image positioned next to one another and providing an image stabilization effect before the images are displayed;

an amplitude-dependent image stabilization; and

an image stabilization as a function of an entire image content.

53. (Currently Amended) A display device comprising:

at least one general processing unit;

a display comprising display units;

an individual processing unit per display unit;

a transmission arrangement configured to transmit at least data concerning the image to be displayed from the general processing unit to the individual processing units in the form of a data stream;

a control arrangement configured to provide control communication between the general processing unit and each of the individual processing units in the form of control signals, the control communication sent from the general processing unit to

each of the individual processing units being ~~independent~~ individually distinct from the data stream sent to each processing unit; and

a collection arrangement provided for each individual processing unit and configured to collect data from the data stream as a function of the transmitted control signals for processing and display.

54. (Previously Presented) The display device according to claim 53, further comprising electronic circuits configured to perform at least one predetermined function, the at least one predetermined functions including:

transmitting a data stream comprising data concerning the image to be displayed from the general processing unit to the individual processing units;

providing a control communication comprising a plurality of control signals between the general processing unit and each of the individual processing units, said control communication sent from the general processing unit to each of the individual processing units independent from the data stream sent to each processing unit; and

collecting data from the data stream at each of the individual processing units as a function of control signals transmitted to the individual processing units.

55. (Previously Presented) The display device according to claim 53, wherein the display device has a modular design such that the display units are made in the form of replaceable tiles.

56. (Previously Presented) The display device according to claim 55, further comprising an automatic recognition arrangement configured to recognize the position of a display unit in the total image surface of the display.

57. (New) The method according to claim 29, wherein the data stream and the control signals are transmitted via separate data lines.

58. (New) The method according to claim 29, wherein the data stream and the control signals comprise a single pulse train such that a first plurality of intervals of the single pulse train are reserved for the data stream, and a second plurality of intervals of the single pulse train are reserved for the control signals.

59. (New) The method according to claim 29, wherein the data stream and the control signals are transmitted to each of said display units, and at least some of the individual processing units are provided with a master clock correction arrangement.

60. (New) The display device according to claim 53, wherein the data stream and the control signals are transmitted via separate data lines.

61. (New) The display device according to claim 53, wherein the data stream and the control signals comprise a single pulse train such that a first plurality of intervals of the single pulse train are reserved for the data stream, and a second plurality of intervals of the single pulse train are reserved for the control signals.

62. (New) The display device according to claim 53, wherein the data stream and the control signals are successively transmitted to each of said display units, and at least some of the individual processing units are provided with a master clock correction arrangement.